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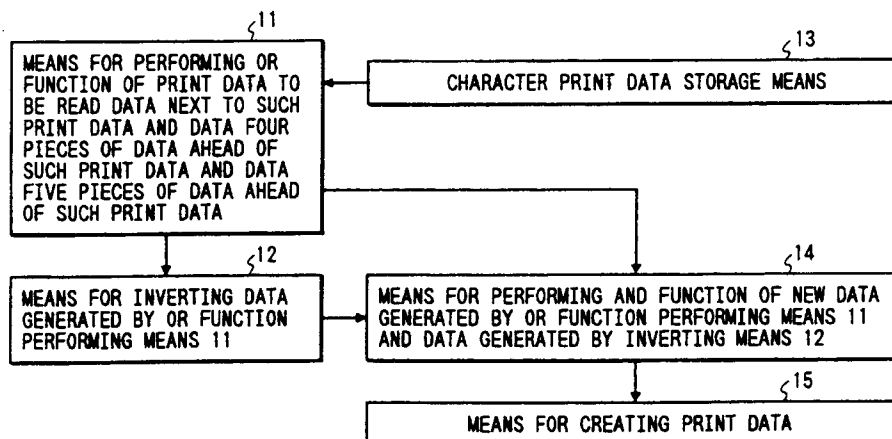
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Patentanwälte Flüggenstrasse 13
W- 8000 München 19 (DE)(54) **Printer for printing bold characters.**

(57) A printer that includes a means (13) for storing print data of a character; a first converter (11) for converting print data to be read into a single dot pattern by performing the function of logical OR of a total of four dot patterns, assuming that a print head moving direction is a horizontal direction. The four dot patterns are: the print data, data next to such print data, data four pieces of data ahead, and data five pieces of data ahead. The printer also includes an inverter (13) for inverting the single dot pattern

generated by the first converter; a second converter (14) for converting two dot patterns into a single dot pattern by performing the function of logical AND of two dot patterns. These two dot patterns are: a dot pattern newly generated by the first converter and the dot pattern inverted by the inverter, so that the number of horizontally extending data of a bold character is changed and compressed to thereby create a reduced bold character and print such reduced bold character.

FIG. 1**EP 0 533 049 A3**



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EUROPEAN SEARCH REPORT

Application Number

EP 92 11 5441

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	EP-A-0 159 895 (INTERNATIONAL BUSINESS MACHINES CORP., ARMONK, USA) * claim 1 *	1	G06K15/02
A	EP-A-0 207 789 (INTERNATIONAL BUSINESS MACHINES CORP., ARMONK, USA) * claims 1-3 *	1	
A	GB-A-2 167 585 (TOSHIBA KABUSHIKI KAISHA, TOKYO.) * page 1, line 70 - page 2, line 28 *	1,2	
A	EP-A-0 385 269 (HITACHI LTD., TOKYO)		
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G06K
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22 MARCH 1993	Examiner VEEN G.E.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	